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**Subject:** Wilcox  
**Date:** Thursday, May 11, 2017 3:27:00 PM  
**Attachments:** [lorraine data.pdf](#)

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The First Assembly of God is located on the property that Lorraine Oil Company used as is process area.

Investigations on the Lorraine Process Area completed as of April 2017.

1. Fencing: the property was fenced at the request of the church and limits trespass and potential exposures.
2. Light-induced fluorescence: rapid optical screening tool that provides information related to the presence or absence of mid-range organic compounds, specifically the PAHs. It is not effective in identifying the light range (i.e., BTEX) or the Low ends (e.g., viscous sludges).
3. Passive Soil Gas: subsurface screening for the presence of gases that may be created by the refinery waste. Screening indicated the potential for the generation of contaminated gases, specifically BTEX.
4. Indoor Air Sampling: the church and the parsonage were sampled. Contaminants were found in exceedance of the screening numbers. Primarily, benzene, dichlorobenzene, and ethylbenzene.
5. Borehole Geophysics of onsite well, Sampling, Closure: The onsite well had oil NPL present. The Geophysics indicated poor construction and seepage through hand-drilled hole and conduit joints. Water sampled shows exceedances of arsenic, naphthalene, 1,4 dioxane. The well has been abandoned and closed.
6. Soil Sampling: surface and subsurface soil sampling. Data indicate that volatiles (BTEX), and semivolatiles (PAHs—benzo(a)pyrene) are the primary contaminants. Contaminants at this stage of review are believed to be found down to a depth of 20ft in some locations, with most of the site having contaminants down to about 10ft depth.
7. Surface Water: at this time the limited data for surface water shows minimal impact; however, a full sampling of surface water and sediment needs to be completed to fully understand site impacts on the streams.

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